

leathery. Parent of Dorothea. More widely grown than *Malus halliana*. Attractive, pendulous clusters of flowers.

The following were developed by A. L. Young, Dominion Experiment Station, Brooks, Alberta, Canada. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589247. *Malus* hybrid

Pioneer Scarlet. Pedigree - Seedling of one of the Rosybloom Crab Apples; intro. before 1954. Comments:: Flower: Petals large, lavender, attractive; also used in commercial apple orchards as pollen source for fruiting cultivars. Fruit: size 30-35 mm; skin 100% bright red, attractive; shape round, protruding calyx; flesh red; flavor very astringent; eating quality inedible; ripening season early October with Delicious; fruits drop as they ripen. Tree: heavy cropping; annual bearing; Diploid (Proc. Amer. Soc. Hort. Sci. 103:690. 1978). Ornamental flowering crab. R.D. Way, 1992.

The following were donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589248. *Malus domestica* Borkh.

Keukelaar Greening. Comments:: Same as Keukelaar Greening; KLN means Ken Livermore Nursery.

The following were developed by Durand-Eastman Park, Rochester, New York, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589249. *Malus domestica* Borkh.

Katherine. Pedigree - *M. halliana* x *M. baccata*; discovered in 1928 by Bernard H. Slavin; introduced in 1943 by Donald Wyman. Comments:: Flowers: double (15-24 petals) expanding buds deep pink, open pink fading to white, approx. 5.4 cm across. Fruit yellow with a red cheek, approx. 10 mm in dia.; deciduous calyx. Tree: blooms biennially. Flowering crab apple.

The following were developed by Cornell University, New York Agr. Exp. Station, Geneva, New York 14456, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589250. *Malus domestica* Borkh.

Red Jacket. Pedigree - *Malus Niedzwetzkyana* x *M. atrosanguinea*; crossed 1930; selected 1938; intro. 1939. Comments:: Flower: single; size med; blooms very early, 3 days before Delicious; dull reddish pink; Diploid (Proc. Am. Soc. Hort. Sci. 53:197. 1949). very floriferous every year; not highly attractive. Fruit: borne singly; very small, 25 mm; 90% dull pinkish red; round, 5-sided; calyx deciduous; very acid, astringent; ripe late September 2 1/2 wks before Delicious. Tree: med. vigor; fruits drop; foliage dark reddish green in early Spring. Ornamental flowering crab apple. --R.D. Way, 1992.

The following were developed by Arnold Arboretum, Dr. Karl Sax, Jamaica Plain, Massachusetts, United States. Donated by Roger D. Way, Cornell